

**METHOD AND APPARATUS FOR THE TRANSMISSION OF SHORT DATA BURSTS IN
CDMA/HDR NETWORKS**

VII. Abstract

A method and apparatus for the transmission of short data bursts in CDMA/HDR networks. Dormant access terminals are assigned to a common traffic channel and rate group by an access point. The access point then informs the access terminals of the assigned common traffic channels and rate groups. The access point then transmits short data bursts to the dormant access terminals using the assigned common traffic channels and rate groups. If an access terminal fails to acknowledge receipt of a short data burst, then the access terminal is re-assigned to a new common traffic channel and rate group and transmission of the short data bursts is re-attempted. If an access terminal fails to acknowledge receipt of a short data burst more than a predetermined number of times, then the access terminal is placed in an active mode of operation. The transmission of short data bursts may be further assigned to time slots within the common traffic channels and rate groups in order to conserve the resources of the access terminals.